

Applicant : Klausmann et al.
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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A device comprising:
a substrate having an active region defined thereon, the active region comprising at least one active component[[s]], the active components including patterned electrodes;
conducting lines on the substrate to provide electrical access to the device;
a protective layer on the substrate to prevent shorting of said conducting lines; and
a getter layer located in the active region, the getter layer disposed on the at least one active component[[s]], wherein the getter layer consists essentially of an alkaline earth metal, aluminum, tantalum or zirconium and is capable of absorbing water and oxygen.
2. (Original) The device of claim 1 wherein the substrate comprises a flexible substrate for forming a flexible device.
3. (Currently Amended) The device of claim 1 wherein the at least one active component[[s]] comprise organic light emitting diode (OLED) cells, the OLED cells comprising one or more organic layers sandwiched between lower electrodes and the patterned electrodes.
4. (Original) The device of claim 3 wherein the substrate comprises a flexible substrate for forming a flexible device.
5. (Previously Presented) The device of claim 1 further comprising a cap mounted to a bonding region on the substrate to seal the device.

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6. (Currently Amended) The device of claim 5 wherein the getter layer covers the patterned electrodes of the at least one active component[[s]].

7. (Currently Amended) The device of claim 6 wherein the getter layer ~~comprises~~ consists essentially of barium.

8. (Original) The device of claim 6 wherein the getter layer is formed by flash evaporation.

9. (Previously Presented) The device of claim 6 further comprising a second getter layer lining an inner surface of the cap.

10. (Currently Amended) The device of claim 9 wherein the getter layer ~~comprises~~ consists essentially of barium.

11. (Original) The device of claim 9 wherein the getter layer is formed by flash evaporation.

12. (Previously Presented) The device of claim 6 further comprising support posts to support the cap.

13. (Cancelled)

14. (Original) The device of claim 10 wherein the getter layer is formed by flash evaporation.

15. (Previously Presented) The device of claim 5 further comprising a second getter layer lining an inner surface of the cap.

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16. (Currently Amended) The device of claim 15 wherein the getter layer ~~comprises~~ consists essentially of barium.

17. (Original) The device of claim 15 wherein the getter layer is formed by flash evaporation.

18. (Original) The device of claim 5 wherein the getter layer comprises barium.

19. (Original) The device of claim 5 wherein the getter layer is formed by flash evaporation.

20. (Currently Amended) An organic electroluminescent device comprising:
a substrate having an active region defined thereon and a bonding region, the active region comprising ~~a plurality of~~ at least one organic light emitting diode (OLED) cell[[s]], each ~~the at least one~~ OLED cell comprising one or more organic layers sandwiched between upper and lower electrodes, wherein the upper electrodes comprise patterned upper electrodes;
conducting lines in the bonding region on the substrate to provide electrical access to the OLED cell;
a protective layer located in the bonding region to prevent shorting of said conducting lines;

a getter layer located in the active region, the getter layer disposed on the at least one OLED cell[[s]], wherein the getter layer consists essentially of one of an alkaline earth metal, aluminum, tantalum or zirconium and is capable of absorbing water and oxygen; and
a cap bonded to the bonding region of the substrate to encapsulate the device.

21. (Previously Presented) The device of claim 20 further comprising a second getter layer lining an inner surface of the cap.

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22. (Previously Presented) The device of claim 20 wherein the getter layer is formed by flash evaporation.

23. (Previously Presented) The device of claim 22 wherein the getter layer comprises barium.

24. (Previously Presented) The device of claim 21 wherein the getter layer is formed by flash evaporation.

25. (Currently Amended) The device of claim 24 wherein at least one of the getter layers ~~comprises~~ consists essentially of barium.

26. (Previously Presented) The device of claim 20, wherein the getter layer consists of an alkaline earth metal.

27. (Previously Presented) The device of claim 1, wherein the getter layer consists of an alkaline earth metal.

28. (New) The device of claim 20, wherein the protective layer comprises an insulating material.

29. (New) The device of claim 1, wherein the protective layer comprises an insulating material.

30. (New) The device of claim 1, wherein the getter layer encapsulates the at least one active component.

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31. (New) The device of claim 5, wherein said protective layer is arranged between the cap and the conductive lines in the bonding region.

32. (New) The device of claim 5, wherein the substrate extends beyond the bonding region outside the cap.

33. (New) A device, comprising:
a substrate having an active region defined thereon, the active region comprising at least one active component;
the at least one active component including patterned electrodes; and
a getter layer located in the active region, the getter layer disposed directly on the at least one active component, wherein the getter layer consists essentially of an alkaline earth metal, aluminum, tantalum or zirconium, and is capable of absorbing water and oxygen.